

# THE TECH

## DAILY

VOL. XXIX. NO. 80.

BOSTON, MASS., MONDAY, JANUARY 10, 1910

PRICE ONE CENT

### PATRONAGE OF UNION DINING ROOM IMPROVES

#### Report For Fourth Week's End- ing Jan. 8, Shows A Profit Of \$75

During the last week the attendance at the Union Dining Room has been larger than ever before this term. This increase is attributed to two causes, namely, the cold weather which makes the men loath to leave the Union, and also to the gradual realization by the men of the fact that the Union is giving good service and good food at a reasonable rate. Approximately 2,300 men have been served this week, while the largest number served in any previous week was 2,049. Three tables are reserved for bodies of men who have applied for them; the civil engineers, the architects, and the men on the Tech, have each a table for themselves. The civil engineers are likely to have another reserved shortly. Any crowd of fellows who wish to meet regularly at meal-times can have tables reserved by conferring with the chairman of the Dining-Room Committee. No guarantee of any kind is necessary, but the committee wishes to be fairly well assured of regular attendance before they make any reservations.

Following is a report of the dining room committee for the four weeks ending Jan. 8, 1910. All the amounts stated as profit or loss are figured without making a subtraction for equipment and depreciation. This item amounts approximately to 300 per year.

For the week ending Dec. 11:  
Total attendance ..... 19,59  
Profit on Dining Room ..... \$37.87  
Receipts on Dining Room ..... \$87.89  
Receipts on Special Dinners ..... 91.60  
Receipts from other sources ..... 5.79  
Profits on Cigars and Candies ..... 26.71  
Expenses on Union Rooms ..... 7.66

For the week ending Dec. 18:  
Total Attendance ..... 2,049  
Profit on Dining Room ..... \$28.70  
Receipts on Dining Room ..... 445.28  
Receipts on Special Dinners ..... 82.90  
Receipts from Other Sources ..... 3.67  
Profits on Cigars and Candies ..... 20.56  
Expenses on Dining Rooms ..... 22

For week ending Dec. 25:  
Total Attendance ..... 1,493  
Loss on Dining Room ..... \$46.14  
Receipts on Dining Room ..... 306.99  
Receipts on Special Dinners ..... 11.25  
Receipts from Other Sources ..... 3.19

This was the short week preceding the vacation. The profits on cigars and candies, and the house expenses were omitted, and are given for two weeks in the next report.

Week ending Jan. 1:  
Total Attendance ..... 849  
Loss on Dining Room ..... \$9.09  
Profits on Cigars and Candies ..... 31.76  
Expenses on Union Rooms ..... 16.46

This was the vacation week during which the Union Dining Room was run for the benefit of the Scientific Societies who made their headquarters at the Union. These societies will make good the loss on the Dining Room for this week.

For the four weeks ending Jan. 1:  
Total Profit on Dining Room ..... \$20.43  
Total Profit on Cigars and Candies ..... 79.03  
Total Expenses on Union Rooms ..... 24.35

The total profit on the Union for these four weeks in round numbers is about \$75. The first five showed a deficit of \$353.86, so the profit of \$75 is a marked and encouraging improvement.

### FORMER WOMEN STUDENTS LISTEN TO ADDRESSES

#### M. I. T. Women's Association Holds Annual Dinner In The Union

Sixty members of the M. I. T. Women's Association attended the annual dinner given by this body last Saturday. The dinner was held in the upper rooms of the Union, and the general opinion expressed by the members and the guests was that the dinner and the service were excellent. Mr. M. R. Sharf, as the representative of the Union Dining Room committee was complimented by the ladies on the efficiency of the service.

Eight hundred women students have taken courses at the Institute since its foundation. There are about 100 women graduates and also about 100 members of the M. I. T. Women's Association. This Association is mostly for the benefit of the special students who do not attend the regular alumni meetings. It has for its purpose the promotion of education, unity, and good fellowship among the women graduates and past women students of the Institute.

The officers for this year were elected Saturday morning, and a list of these officers follows:

President, Mrs. Ellen H. Richards; Second Vice-President, Miss L. S. Plummer; Recording Secretary, Miss E. B. Babcock; Auditor, Miss E. A. Becker; Registration Committee, Miss F. H. Luscomb, Miss L. B. White; Nominating Committee, Miss E. Manning, Miss G. A. Norris.

The guests at the dinner were Mrs. Rogers, Dr. and Mrs. R. C. MacLaurin, Prof. and Mrs. Osterhout, and Miss Young. The speakers were Dr. MacLaurin, Prof. Osterhout, and Dr. Alice G. Bryant.

Dr. MacLaurin gave an informal talk on the history of the education of women and of the activity of women in public life. He read some early letters from the pen of William Barton Rogers, which referred to the admission of women to the courses of Lowell Institute. The tirade against women in public life by John Knox, and the answer thereto by Bishop Aylmer were also referred to by the speaker. John Knox had suffered greatly at the hands of the women, Mary Queen of England, and Mary Queen of Scots. Bishop Aylmer was at this time currying favor with Queen Elizabeth, and took it upon himself to answer the writings of John Knox. Dr. MacLaurin concluded his speech by bringing the history of the subject down to the present time.

The next speaker was Prof. Osterhout, who has recently come to Harvard from the University of California. Prof. Osterhout was Professor of Botany in California, and is now teaching Physiological Botany at Harvard. As many of the women present were teachers of Biology in the secondary schools, this talk proved of great interest to them. Prof. Osterhout spoke of the philosophical idea underlying the theory of the effect of environment. He mentioned experiments made by Prof. Jacques Loeb and by himself at the University of California to prove the effect of varying environments on the lower organisms. The theory of the influence of environment once established is directly applicable to problems dealing with education. Prof. Osterhout closed his remarks by showing how this theory may be applied.

Dr. Alice G. Bryant, who is a graduate of Vassar, and who studied chemistry at the Institute, spoke of the de-

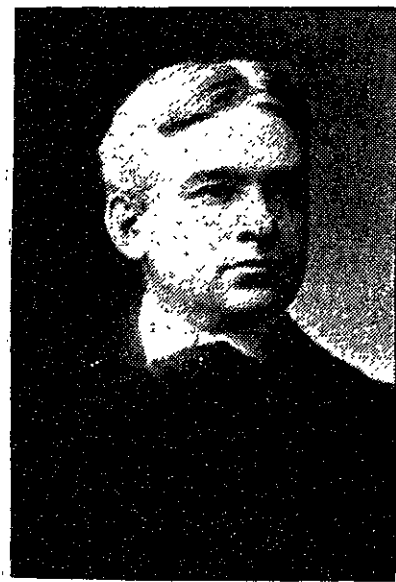
(Continued on page 3.)

### IMPORTANT RESEARCH IN INDUSTRIAL CHEM

#### Dr. Walker Appointed Chairman Of Important Committee By A. S. T. M.

Dr. William H. Walker, professor of Industrial Chemistry at the Institute, has been appointed chairman of sub-committee G of committee E of the American Society of Testing Materials. The purpose of this committee is to investigate "The Influence of Pigments on the Corrosion on Iron and Steel." Dr. C. R. Dudley, who was chief chemist of the Pennsylvania Railroads, formerly occupied this position and he was also the president of the society. His death last December has caused the vacancy which Dr. Walker has been appointed to fill.

The work in the Industrial Chemical laboratories under Dr. Walker has grown so rapidly that the whole laboratory of textile coloring has been turned over to research work in various branches; and it was stated that the present Industrial laboratory will soon



DR. WM. H. WALKER.

have to be greatly enlarged and entirely remodelled in order to meet the needs of the department.

At present four research associates and two men working for advanced degrees are engaged in research work under Dr. Walker. The research associates are: R. E. Drake '08, J. S. Coye '08, M. T. Jones, Jr. '08, and Alean Hirsch, of the University of Wisconsin.

The men who are working for advanced degrees are: C. P. Randolph, Jr., of the University of Texas, W. C. Slade of Brown.

R. E. Drake is investigating some problems connected with galvanized iron and steel. This work was begun at the Institute last year by Dr. Guertler of Gottingen, and Mr. Drake is completing and extending this investigation.

J. S. Coye is studying the bacterial methods for increasing the amount of glycerine produced in the manufacture of alcohol by fermentation; various organisms are being tested to determine their glycerine producing powers. The analytical methods which had to be worked out in order to determine the amount of glycerine in dilute solutions of alcohol and sugars proved to be a problem of great difficulty, but the solution of this problem has been accomplished successfully. Nothing of this kind has ever been done at the Insti-

(Continued on page 2.)

### TECH WINS EASILY FROM LOWELL TEXTILE

#### Prep. School Team Outclassed From Start In Fast Game

The Varsity five swamped the Lowell Textile School team by the overwhelming score of 45 to 4 in the Gym Saturday night. Starting off with a rush, Technology scored eight baskets in the first half and prevented the prep. school team from scoring until the last minute of play when Rensel, the fast little forward, succeeded in breaking away and shooting the first basket for the visitors from a clean floor. Capt. Parker, who was chosen for the All-New England team last season, played a strong, fast game.

In the second period Darling replaced Crocker at guard and scored three times from the floor. Hargraves and Bennis both played well. In this half Rensel made one more basket for Lowell on a long try from the middle of the floor. Avery, who injured his finger in the game with Tufts was unable to play.

The summary:

M. I. T. Lowell Textile.  
Johnson, f. f. g. Jefferson  
Hargraves (Ell) r. f. Phillips  
Parker (Capt.) c. Bailey  
Crocker (Darling) l. g. Rensel  
Bennis r. g. Manning (Capt.)  
(Flynn)

Score—M. I. T. 45, Lowell Textile 4.  
Goals from floor—Hargraves 5, Johnson 5, Parker 5, Darling 3, Bennis 3, Crocker 2. Goals from fouls—Parker.  
Referee—Quinn. Timer—Chandler.  
Time—20 minute halves.

### 1913 DEFEATS 1912

#### Freshmen Win In Fast Basket- Ball Game By Decisive Score

Between the halves of the Varsity game, the freshmen defeated the sophomores in the first game of the series. In the first half the teams were very evenly matched, and the result was extremely doubtful with the score standing 5-11 in the favor of the freshmen, but in the second half 1913 rushed the upper class men off their feet and easily defeated them by the score of 14 to 8.

The line-up was as follows:

1912 1913  
Kendrick, f. Capen, f.  
Albee, f. Cahill, f.  
Mowry, c. Elwell, c.  
Freedman, b. Muther, b.  
Stone, b. Thompson, Welch, b.  
Score 1913-4; 1912-8. Goals from floor.  
Muther 3; Mowry, Freedman, McCarthy 3; Kendrick, Thompson. Fouls called—Kendrick. Referee—Lord. Timer—Chandler. Scorer, Pottingell.

### PLANT-TEST COMPLETED

The test which began Monday at 4 P. M., was ended at 8 A. M. Saturday. The men from the graduating classes in mechanical and electrical engineering and naval architecture worked in three shifts of eight hours each, under the direction of Prof. Edward A. Miller of the department of mechanical engineering and Prof. Ralph R. Lawrence of the department of mechanical engineering, with Assistants T. H. Taft, S. F. Hatch, J. A. Willard, R. L. Smith, and J. W. Nickerson of the instructing staff.

## THE TECH.

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General Manager,  
R. H. Ranger 1911

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### Monday Issue,

L. Rosenstein ..... Associate Editor

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Single Copies 1 Cent.

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BOSTON, MASS., JANUARY 10, 1910.

In Saturday's issue of The Tech an account of an interview with Mr. Benj. F. Trueblood, relative to the International Federation of Cosmopolitan Clubs, was printed. It appears that the Institute is behind the other leading colleges of the country in this respect. The seventy-nine men from other countries now registered at Tech should get together and form, with the other students interested, a Technology Cosmopolitan Club. This club could easily obtain membership in the international organization and thus tend to spread further the influence of the Institute.

Tomorrow the City of Boston holds its first city election under the new city charter. For the last two months a most bitter campaign has been in progress, abounding in charges and counter charges of "graft" and corruption. The result is problematical, each candidate claiming the victory.

It is the duty of every man connected with the Institute who has the right to vote in tomorrow's election to GO TO THE POLLS AND VOTE. The voting booths are open at six in the morning so every man will have ample opportunity to cast his ballot before he comes to classes. Vote for the men you think will serve the best interests of the city.

## IMPORTANT RESEARCH

(Continued from page 1.)

tute before; the work is unique in that it combines industrial biology, chemistry and engineering.

M. T. Jones is continuing and confirming the work done last year by Dr. Lewis on the effects of protective paints on the corrosion of iron and steel. Dr. Lewis found that protective paints increase the rate of corrosion, and Mr. Jones is making this work quantitative for the different kinds of paints and metals.

Mr. Hirsch is working on the rare element cerium; determining methods by which it may be prepared, and also studying its properties so as to apply the element, if possible, to industrial use.

J. J. Elbert is carrying out the work on fractional distillation which was also begun last year by Dr. Lewis.

### CALENDAR.

Monday, Jan. 10.

4.30 P. M.—Special Gym Team meeting in Gym.

Tuesday, Jan. 11.

1.00 P. M.—Junior Class Pictures on Rogers Steps.

## MUNICIPAL ELECTION

In regard to the pending city election the following extract is made from Harper's Weekly, Dec. 27, 1909.

"Boston is being reconstructed municipally and the forth coming city election is of grave importance. The outcome is being watched with absorbing interest, because Boston is the first city in the East and the largest in the country to cast aside national party affiliations in municipal elections. This total elimination of century-old customs is difficult, critical, even dangerous. This obliteration is directly the result of Boston's brand-new charter, the essentials of which follow:

The Mayor is elected for four years. Formerly two.

A city council of nine takes the place of a board of aldermen of thirteen and a common council of seventy-five.

Heads of departments appointed by the Mayor are not legal until approved by the Civil Service Commission—a body appointed by the Governor.

Political affiliation totally eliminated. Candidates run simply under their names.

A permanent Finance Commission is appointed by the governor to act watchdog over the city treasury.

It is evident from the foregoing that the political control of Boston is largely in the hands of the Governor. The aims of the charter are twofold: firstly, to eliminate expense by four-year terms and having the finances of the city cared for by a non-partisan, disinterested commission; secondly, to have the appointments of all city officials endorsed by the governor, thus leaving the mayor void of the power to elect to office incompetent men. The one great aim of the entire reform movement is the total abolition of political graft and corruption. There are four candidates for mayor:

- (1) John F. Fitzgerald.
- (2) James J. Storrow.
- (3) George Albee Hibbard.
- (4) Nathaniel H. Taylor.

Fitzgerald is a former mayor and is seeking vindication. He was the first man in the fight for the mayoralty and has had a successful campaign.

James J. Storrow is of the banking firm of Lee, Higginson & Co. He was nominated by a municipal league organized for the purpose. He is a rich man and has put up a strong campaign. Some of the most prominent men in Boston are backing him regardless of previous political affiliation.

George A. Hibbard is present mayor and was elected on the reform that followed the exposure of the Fitzgerald administration. His campaign for reelection has lacked strength.

Nathaniel H. Taylor is a newspaper man who has had some little experience in politics. His campaign has lacked popularity and financial backing.

Besides voting for the office of mayor and city council members, the people will have to decide whether licenses shall be granted for the sale of intoxicating liquors.

Tomorrow the people of Boston will decide what the political future is to be. The conscientious voter will surely select the man whom he believes to possess sterling qualities, wholly irrespective of race, of creed or of political affiliation.

Edward J. Hart will probably not resign from the captaincy of the Princeton eleven, in spite of the prevalent feeling that his physical condition precludes him from playing next fall. Hart received a severe injury to his neck while playing on the Exeter eleven three years ago. Last season the Princeton faculty refused to sanction his playing until he had submitted to a thorough examination.

## FOWNES GLOVES

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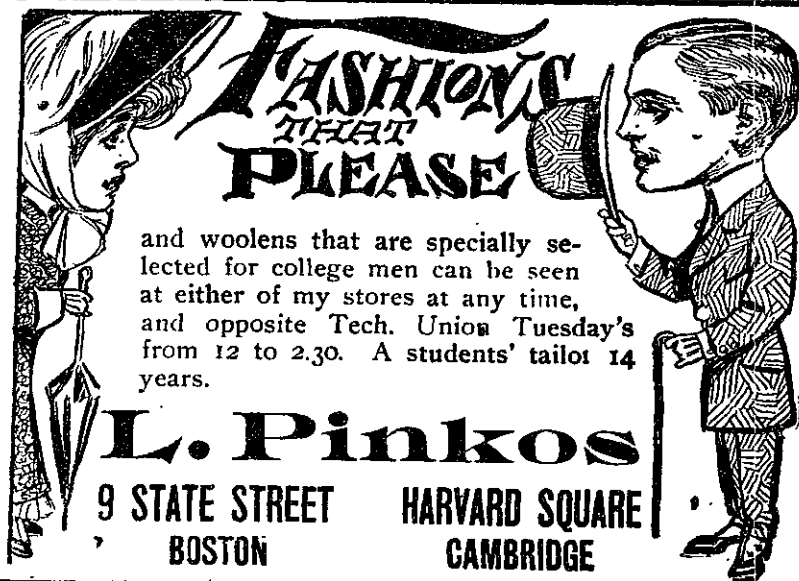
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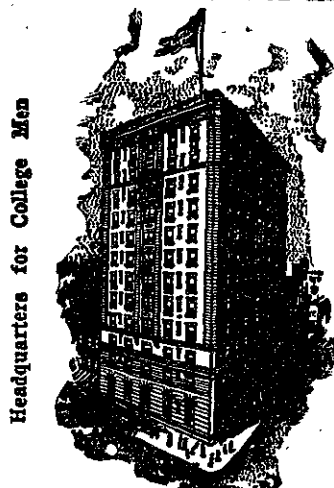
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## ADDRESS TO WOMEN

(Continued from page 1.)

velopment of small specialties in preventive medicine. Dr. Bryant has made a special study of eye, ear, and nose diseases, and she showed some of the very delicate and interesting instruments used in this work.

At four o'clock the dinner was over, and the members and guests adjourned to the Margaret Cheney Rooms.

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## GENERAL NOTICES.

### FIRST YEAR.

**Entrance Condition Examinations.**  
First-year students are expected to take at the end of the present term all entrance examinations in which they have not already clear records, with the following exceptions:

1. Students having conditions in entrance History and entrance Physics. No examination will be held in entrance History and entrance Physics at the semi-annual examination period.

2. Special students taking no work dependent on entrance subjects in which they have not clear records. Such students, if they desire to become regular, may take remaining examinations in June or September.

3. Students who are now making up entrance French and German by taking the elementary courses, although they are privileged to take these examinations.

4. Students entitled to excuse from particular entrance conditions on the basis of good term work. This applies to conditions in entrance Algebra, English, French, German, and Plane Geometry and students will be notified if excuse can be given.

For the Faculty Committee on Entrance Examinations,  
WALTER HUMPHREYS,  
Registrar.

December 14, 1909.

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Breaded Lamb Chops, Tomato Sauce.  
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MILITARY SCIENCE.

The Drill hour, on Mondays and Fridays, on and after January 3rd will be changed from three to two o'clock.

WALTER HUMPRHEYS,  
Registrar.

All candidates for the 1913 Indoor Track Team report at Gym on Monday, Tuesday, Thursday and Saturday.

H. S. BENSON, Mgr.

LIBRARY.

Receipts, dated but not signed, for the following books have been left in the General Library:

July 1, 1909—Statham, H. H. Architecture for General Readers.

November 16, 1909—Macaulay, T. B. History of England, Vol. 1.

The borrowers are requested to return these books.

MUSICAL CLUBS.

Musical Clubs meet at Marceau's for picture at 1.30 P. M., Sat. Jan. 8th. Bring instruments.

Facilities for dressing at studio.

GYM TEAM.

Special meeting Monday, January 10, at Gym 4.30. All candidates are requested to attend.

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JUNIORS.

Junior Class Picture for Technique will be taken Tuesday, January 11, at 1.00 P. M. on Rogers Steps. All Juniors please be present.

Any Junior who has not received a copy of the questions for the Statisticians Department of Technique may have same by applying at Cage.

PHI DELTA THETA.

All members of Phi Delta Theta Fraternity in attendance at the Institute are requested to send their names to H. E. Beebe, 25 St. James Ave., or the Cage.

Small amount of money found on a Union bench Saturday. Apply to F. A. Dewey and pay cost of this insertion.

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